

CLAIMS

What is claimed is:

1. A machine for combining the output of an occupancy sensor and a temperature element

comprising:

A temperature element to switch power to the logic circuits.

2. The logic as in Claim 1, will energize the occupancy sensor(s) while the vehicle is not in use.

3. The logic as in Claim 1, includes a timing function to allow time for the occupancy sensor(s)

to detect the presence or absence of an occupant.

4. The logic as in Claim 1, includes a timing function for removing power to the occupancy sensor in the absence of occupant detection.

5. The logic as in Claim 1, will initiate additional occupancy sensing when door switches are operated.

6. The logic as in claim 1, will delay energizing alarm components while occupancy sensors power up, warm up, and assume a stabilized logical state.

7. The logic as in Claim 1, will provide one electrical power source termination for the occupancy sensor(s)

whether in use as an occupant restraint control when the vehicle is in use,

or

when this machine uses the occupancy sensors in conjunction with a temperature element

as an alarm control.
8. The logic as in Claim 1, will provide multiple input options such as

dry contact,

solid state switch,

logic level,

or an analog value representing an occupant presence.

9. The logic as in Claim 1, requires a secure method to reset the alarm.

10. The logic as in claim 1, turns off when the temperature in the motor vehicle passenger compartment is not dangerously high.

11. The logic as in claim 1, inhibits the "sleep mode" during an active alarm.

12. The logic as in claim 1, inhibits the "sleep mode" while the passenger door is open. (door switch closed, dome light on)

13. The logic as in Claim 1, requires a secure method to test the alarm.